

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Yong-Li Ruan et al.

Application No.: 10/003,405

Filing Date: December 6, 2001

Title: MODIFICATION OF SUCROSE  
SYNTHASE GENE EXPRESSION IN  
PLANT TISSUE AND USES  
THEREFOR



Group Art Unit: 1638

Examiner: RUSSELL KALLIS

Confirmation No.: 5391

FIFTH  
INFORMATION DISCLOSURE STATEMENT  
TRANSMITTAL LETTER

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed is a Fifth Information Disclosure Statement (IDS) and accompanying form PTO-1449 for the above-identified patent application.

- No additional fee for submission of an IDS is required.
- The fee of 180 as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- A statement under 37 C.F.R. § 1.97(e), and the fee of 180 as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- Charge \_\_\_\_\_ to Deposit Account No. 02-4800 for the fee due.
- A check in the amount of \_\_\_\_\_ is enclosed for the fee due.
- Charge \$180.00 to credit card for the fee due. Form PTO-2038 is attached.
- The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BUCHANAN INGERSOLL PC

6021/2006 ADD01 00000015 10003485

11 FEB 2006

180.00 OP

Date June 20, 2006

By:

  
Christopher L. North  
Registration No. 50433

P.O. Box 1404  
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703.836.6620

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Yong-Li Ruan et al.

Application No.: 10/003,405

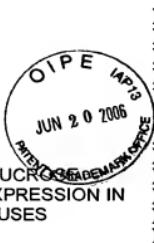
Filed: December 6, 2001

For: MODIFICATION OF SUCROSE SYNTHASE GENE EXPRESSION IN  
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)  
Group Art Unit: 1638

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**FIFTH INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

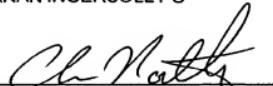
The documents are being submitted after a first Office Action on the merits but prior to the closing of prosecution, therefore under 37 C.F.R. § 1.97(c), the fee (\$180.00) set forth in 37 C.F.R. § 1.17(p) is enclosed.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BUCHANAN INGERSOLL PC

Date: June 20, 2006

By:   
Christopher L. North  
Registration No. 50433

P.O. Box 1404  
Alexandria, VA 22313-1404  
703.836.6620

**FIFTH**  
**INFORMATION DISCLOSURE**  
**STATEMENT BY APPLICANT**  
 (use as many sheets as necessary)

|                      |                     |
|----------------------|---------------------|
| Application Number   | 10/003,405          |
| Filing Date          | December 6, 2001    |
| First Named Inventor | Yong-Li Ruan et al. |
| Examiner Name        | RUSSELL KALLIS      |
| Attorney Docket No.  | 1021565-000110      |

Sheet 1 of 1

**U.S. PATENT DOCUMENTS**

| Examiner Initials | Document Number | Kind Code<br>(if known) | Name of Patentee or Applicant<br>of Cited Document | Issue/Publication Date<br>(MM-DD-YYYY) |
|-------------------|-----------------|-------------------------|--|--|
|                   | 0               | E<br>1449/13            |  |  |

**FOREIGN PATENT DOCUMENTS**

| Examiner Initials | Document Number | Kind Code<br>(if known) | Country | Date of<br>Publication<br>(MM-DD-YYYY) | STATUS      |                        |                       |                  |      |          |
|-------------------|-----------------|-------------------------|---------|--|-------------|------------------------|-----------------------|------------------|------|----------|
|                   |                 |                         |         |  | Translation | Partial<br>Translation | Eng. Lang.<br>Summary | Search<br>Report | IPER | Abstract |
|                   |                 |                         |         |  |             |                        |                       |                  |      |          |
|                   |                 |                         |         |  |             |                        |                       |                  |      |          |
|                   |                 |                         |         |  |             |                        |                       |                  |      |          |

**NON-PATENT LITERATURE DOCUMENTS**

|                   |   |
|-------------------|---|
| Examiner Initials | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |
| /RK/              | GenBank Accession No. L19762 (GI: 349737) - "Lycopersicon esculentum fruit sucrose synthase mRNA, complete cds;" 6/20/94.   |
| /RK/              | GenBank Accession No. X69931 (GI: 19099) - "H. vulgare mRNA for sucrose synthase;" 5/11/95.   |
| /RK/              | GenBank Accession No. Z15028.1 (GI: 20373) - "O. sativa mRNA for sucrose synthase;" 10/12/92.   |
| /RK/              | GenBank Accession No. Z11532.1 (GI: 21341) - "S. officinarum SUS1 mRNA for sucrose synthase;" 2/9/99.   |
| /RK/              | GenBank Accession No. M18745.1 (GI: 169571) - "Potato sucrose synthase mRNA, complete cds;" 4/27/93.  |
| /RK/              | GenBank Accession No. L22296 (GI: 514945) - "Zea mays sucrose synthase (Sus1) mRNA, complete cds;" 7/22/94.   |
| /RK/              | GenBank Accession No. U73588 (GI: 4733945) - "Gossypium hirsutum sucrose synthase mRNA, complete cds;" 5/4/99.  |
| /RK/              | GenBank Accession No. X81974 (GI: 1488569) - "B. vulgaris mRNA for sucrose synthase;" 3/25/97.  |
| /RK/              | GenBank Accession No.: X75332 (GI: 406316) - "D. carota (Nantaise) mRNA for sucrose synthase;" 9/9/04.  |
| /RK/              | GenBank Accession No.: X69773.1 (GI: 22037) - "V. faba mRNA for sucrose synthase;" 5/11/95.   |

|                    |                  |                 |            |
|--------------------|------------------|-----------------|------------|
| Examiner Signature | /Russell Kallis/ | Date Considered | 09/30/2008 |
|--------------------|------------------|-----------------|------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.